

L Number	Hits	Search Text	DB	Time stamp
-	12	(cheriton and david).in.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 10:45
-	5455	@ad<20000831 and (generat\$3 adj3 (filter rule)) and (flow bucket netflow microflow)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 11:41
-	0	US20010051864A1	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 11:26
-	1	"20010051864"	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 11:28
-	1	("6243667").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 11:28
-	140	@ad<20000831 and ((generat\$3 adj3 (filter rule)) near3 (flow bucket netflow microflow))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 11:48
-	1	@ad<20000831 and ((generat\$3 adj3 (filter rule)) near3 (flow bucket netflow microflow)) and firewall	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 11:49
-	275	@ad<20000831 and ((generat\$3 adj3 (filter rule)) near8 (flow bucket netflow microflow))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 11:51
-	3	@ad<20000831 and ((generat\$3 adj3 (filter rule)) near8 (flow bucket netflow microflow)) and firewall	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 11:51
-	32	@ad<20000831 and netflow	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 11:52
-	3	@ad<20000831 and (netflow (flow adj label)) and (generat\$3 adj2 filter\$3)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 11:54
-	134	@ad<20000831 and (netflow (flow adj label))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 11:54
-	98	@ad<20000831 and (netflow (flow adj label)) and network	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 13:50
-	2385	@ad<20000831 and (pre adj filter)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 13:50
-	3370	@ad<20000831 and (pre adj filter\$3)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 13:50
-	5	@ad<20000831 and (pre adj filter\$3) and firewall	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 14:23
-	8	@ad<20000831 and ((pre adj filter) near connection)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 14:25

-	1	@ad<20000831 and (check adj once) and ((packet connection flow) adj2 filter\$3)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 14:25
-	970	@ad<20000831 and (packet near separat\$3) and (flow)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 14:26
-	0	@ad<20000831 and (ip adj label\$4) and (packet adj3 filter\$3)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 14:29
-	14	@ad<20000831 and (ip adj label\$4)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 14:46
-	4	(("6,339,830") or ("6,070,243") or ("6,061,368") or ("5,768,257")).PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/03/02 14:47

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1 **Analysis and implementation of a transparent priority mechanism for LAN Internet access**

*Giovanardi, A.; Mazzini, G.;*Global Telecommunications Conference, 1999. GLOBECOM '99 , Volume: 3 , 1
Pages:1910 - 1915 vol.3[\[Abstract\]](#) [\[PDF Full-Text \(528 KB\)\]](#) **IEEE CNF**

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⁵ Performance analysis of distributed applications using automatic classification of communication inefficiencies

Jeffrey Vetter

May 2000

Proceedings of the 14th International conference on Supercomputing

Full text available:  pdf(1.20 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present a technique for performance analysis that helps users understand the communication behavior of their message passing applications. Our method automatically classifies individual communication operations and it reveals the cause of communication inefficiencies in the application. This classification allows the developer to focus quickly on the culprits of truly inefficient behavior, rather than manually foraging through massive amounts of performance data. Specifically, we trace t ...

⁶ ACTION: automatic classification for full-text documents

Jacqueline W. T. Wong, W. K. Kan, Gilbert Young

April 1996

ACM SIGIR Forum, Volume 30 Issue 1

Full text available:  pdf(912.69 KB)

Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

An important step in building up the document database of a full-text retrieval system is to classify each document under one or more *classes* according to the *topical domains* that the document discusses. This is commonly referred to as *classification*. *Automatic classification* attempts to replace human classifiers by using computers to automate this process. Automatic classification has two major components: (1) the *classification scheme* which defines the available cla ...

Keywords: automatic classification, document analysis, full-text retrieval systems, information retrieval systems

⁷ High-speed policy-based packet forwarding using efficient multi-dimensional range matching

T. V. Lakshman, D. Stiliadis

October 1998

ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '98 conference on Applications, technologies, architectures, and protocols for computer communication, Volume 28 Issue 4

Full text available:  pdf(1.82 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The ability to provide differentiated services to users with widely varying requirements is becoming increasingly important, and Internet Service Providers would like to provide these differentiated services using the same shared network infrastructure. The key mechanism, that enables differentiation in a connectionless network, is the packet classification function that parses the headers of the packets, and after determining their context, classifies them based on administrative policies or re ...

⁸ Router plugins: a software architecture for next-generation routers

Dan Decasper, Zubin Dittia, Guru Parulkar, Bernhard Plattner

February 2000

IEEE/ACM Transactions on Networking (TON), Volume 8 Issue 1

Full text available:  pdf(530.34 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: communication system routing, communication system security, internet, modular computer systems

⁹ Router plugins: a software architecture for next generation routers

Dan Decasper, Zubin Dittia, Guru Parulkar, Bernhard Plattner

October 1998

ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '98 conference on Applications, technologies, architectures, and protocols for computer communication, Volume 28 Issue 4

Full text available:  pdf(1.82 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Present day routers typically employ monolithic operating systems which are not easily upgradable and extensible. With the rapid rate of protocol development it is becoming increasingly important to dynamically upgrade router software in an incremental fashion. We have designed and implemented a high performance, modular, extended integrated services router software architecture in the NetBSD operating system kernel. This architecture allows code modules, called *plugins*, to be dynamically ...

Keywords: high performance integrated services routing, modular router architecture, router plugins

¹⁰ The proposed new Computing Reviews classification scheme

Anthony Ralston

July 1981

Communications of the ACM, Volume 24 Issue 7

Full text available:  pdf(972.92 KB)Additional Information: [full citation](#), [citations](#), [index terms](#)**11 Extracting classification knowledge of Internet documents with mining term associations: a semantic approach**

Shian-Hua Lin, Chi-Sheng Shih, Meng Chang Chen, Jan-Ming Ho, Ming-Tat Ko, Yueh-Ming Huang

August 1998

Proceedings of the 21st annual international ACM SIGIR conference on Research and development in information retrievalFull text available:  pdf(1.02 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**12 Fast detection of communication patterns in distributed executions**

Thomas Kunz, Michiel F. H. Seuren

November 1997

Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative researchFull text available:  pdf(4.21 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

13 Formal Models for Computer Security

Carl E. Landwehr

September 1981

ACM Computing Surveys (CSUR), Volume 13 Issue 3Full text available:  pdf(2.99 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**14 Toward boxology: preliminary classification of architectural styles**

Mary Shaw, Paul Clements

October 1996

Joint proceedings of the second international software architecture workshop (ISAW-2) and international workshop on multiple perspectives in software development (Viewpoints '96) on SIGSOFT '96 workshopsFull text available:  pdf(790.98 KB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**15 A multilevel approach to intelligent information filtering: model, system, and evaluation**

J. Mostafa, S. Mukhopadhyay, M. Palakal, W. Lam

October 1997

ACM Transactions on Information Systems (TOIS), Volume 15 Issue 4Full text available:  pdf(610.01 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

In information-filtering environments, uncertainties associated with changing interests of the user and the dynamic document stream must be handled efficiently. In this article, a filtering model is proposed that decomposes the overall task into subsystem functionalities and highlights the need for multiple adaptation techniques to cope with uncertainties. A filtering system, SIFTER, has been implemented based on the model, using established techniques in information retrieval and artificia ...

Keywords: automated document representation, information filtering, user modeling

16 Another nail to the coffin of faceted controlled-vocabulary component classification and retrieval

Hafedh Mili, Estelle Ah-Ki, Robert Godin, Hamid Mcheick

May 1997

ACM SIGSOFT Software Engineering Notes , Proceedings of the 1997 symposium on Software reusability, Volume 22 Issue 3Full text available:  pdf(1.37 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**17 The computation of optical flow**

S. S. Beauchemin, J. L. Barron

September 1995

ACM Computing Surveys (CSUR), Volume 27 Issue 3Full text available:  pdf(3.09 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Two-dimensional image motion is the projection of the three-dimensional motion of objects, relative to a visual sensor, onto its image plane. Sequences of time-ordered images allow the estimation of projected

two-dimensional image motion as either instantaneous image velocities or discrete image displacements. These are usually called the optical flow field or the image velocity field. Provided that optical flow is a reliable approximation to two-dimensional ...

¹⁸ Adaptive resource management for flow-based IP/ATM hybrid switching systems

Hao Che, San-qi Li, Arthur Lin

October 1998

IEEE/ACM Transactions on Networking (TON), Volume 6 Issue 5

Full text available:  pdf(570.85 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: adaptive resource management, cut-through switching, flow cache management, flow classification, flow-based IP/ATM hybrid switching

¹⁹ Picture Processing by Computer

Azriel Rosenfeld

September 1969

ACM Computing Surveys (CSUR), Volume 1 Issue 3

Full text available:  pdf(2.69 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

²⁰ Classifying load and store instructions for memory renaming

Glenn Reinman, Brad Calder, Dean Tullsen, Gary Tyson, Todd Austin

May 1999

Proceedings of the 13th international conference on Supercomputing

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